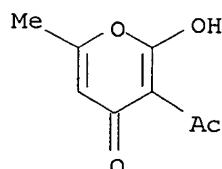


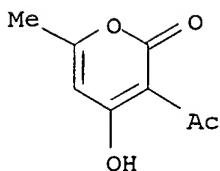
L1 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2003 ACS  
RN 16807-48-0 REGISTRY  
CN 4H-Pyran-4-one, 3-acetyl-2-hydroxy-6-methyl- (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Dehydracetic acid  
CN **Dehydroacetic acid**  
CN DHAA  
FS 3D CONCORD  
MF C8 H8 O4  
LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,  
CABA, CAPIUS, CASREACT, CHEMLIST, CIN, EMBASE, IFICDB, IFIUDB, PDLCOM\*,  
PIRA, PROMT, TOXCENTER  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

19 REFERENCES IN FILE CA (1962 TO DATE)  
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
19 REFERENCES IN FILE CAPIUS (1962 TO DATE)

L1 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2003 ACS  
RN 771-03-9 REGISTRY  
CN 2H-Pyran-2-one, 3-acetyl-4-hydroxy-6-methyl- (8CI, 9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Sorbic acid, 2-acetyl-3,5-dihydroxy-, .delta.-lactone (6CI, 7CI)  
OTHER NAMES:  
CN 3-Acetyl-4-hydroxy-6-methyl-2-pyrone  
CN 3-Acetyl-4-hydroxy-6-methyl-2H-2-pyrone  
CN 3-Acetyl-4-hydroxy-6-methyl-2H-pyran-2-one  
CN 3-Acetyl-4-hydroxy-6-methylpyran-2-one  
CN Dehydracetic acid  
CN **Dehydroacetic acid**  
CN DHAA  
FS 3D CONCORD  
MF C8 H8 O4  
CI COM  
LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,  
CABA, CAOLD, CAPIUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN,  
EMBASE, IFICDB, IFIPAT, IFIUDB, PDLCOM\*, PIRA, PROMT, SPECINFO,  
TOXCENTER, USAN, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



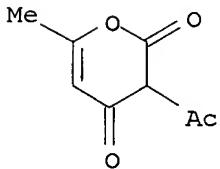
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

154 REFERENCES IN FILE CA (1962 TO DATE)  
9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
154 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2003 ACS  
RN 520-45-6 REGISTRY  
CN 2H-Pyran-2,4(3H)-dione, 3-acetyl-6-methyl- (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

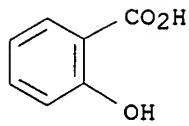
CN 3-Acetyl-6-methyl-1-oxacyclohex-5-ene-2,4-dione  
CN 3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione  
CN 3-Acetyl-6-methyldihydropyranone-2,4  
CN 3-Acetyl-6-methylpyran-2,4(3H)-dione  
CN 4-Hexenoic acid, 2-acetyl-5-hydroxy-3-oxo-, .delta.-lactone  
CN Acetic acid, dehydro-  
CN Biocide 470F  
CN Dehydracetic acid  
**CN Dehydroacetic acid**  
CN DHAA  
CN DHS  
FS 3D CONCORD  
DR 53488-80-5  
MF C8 H8 O4  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,  
CHEMCATS,  
CHEMLIST, CIN, CSCHEM, DDFU, DETHERM\*, DRUGU, EMBASE, GMELIN\*, HODOC\*,  
HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC,  
PDLCOM\*, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USAN,  
USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

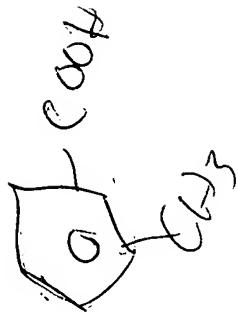
741 REFERENCES IN FILE CA (1962 TO DATE)  
29 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
741 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
14 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
RN 69-72-7 REGISTRY  
CN Benzoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Salicylic acid (6CI, 8CI)  
OTHER NAMES:  
CN 171  
CN 2-Carboxyphenol  
CN 2-Hydroxybenzenecarboxylic acid  
CN 2-Hydroxybenzoic acid  
CN 311  
CN 334  
CN 337  
CN 380  
CN 51  
CN Advanced Pain Relief Callus Removers  
CN Advanced Pain Relief Corn Removers  
CN Clear away Wart Remover  
CN Compound W  
CN Dr. Scholl's Callus Removers  
CN Dr. Scholl's Corn Removers  
CN Dr. Scholl's Wart Remover Kit  
CN Duofil Wart Remover  
CN Duoplant  
CN Freezone  
CN Ionil  
CN Ionil Plus  
CN K 537  
CN K 557  
CN o-Carboxyphenol  
CN o-Hydroxybenzoic acid  
CN Phenol-2-carboxylic acid  
CN Psoriacid-S-Stift  
CN Retarder W  
CN Rutranex  
CN Salicylic acid collodion  
CN Salicylic Acid Soap  
CN Saligel  
CN Salonil  
CN Stri-Dex  
FS 3D CONCORD  
DR 7681-06-3, 8052-31-1  
MF C7 H6 O3  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*,  
BIOBUSINESS,  
BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,  
CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU,  
DETERM\*<sup>†</sup>, DIOGENES, DIPPR\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,  
ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HODOC\*, HSDB\*, IFICDB, IFIPAT, IFIUDB,  
IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM\*, PIRA,  
PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USAN,  
USPAT2, USPATFULL, VETU, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

17732 REFERENCES IN FILE CA (1962 TO DATE)  
2268 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
17765 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)



L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 1998:208792 CAPLUS  
DOCUMENT NUMBER: 128:312937  
TITLE: Topical preparations containing salicylic acid and cationic surfactants for treatment of acne  
INVENTOR(S): Adachi, Kiyo; Hagino, Koji; Tomono, Shiro; Otaki, Reiko  
PATENT ASSIGNEE(S): Lion Corp., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10087496	A2	19980407	JP 1996-263679	19960912
PRIORITY APPLN. INFO.:			JP 1996-263679	19960912
AB	The title prepns. are claimed. An aq. soln. contg. salicylic acid and benzalkonium chloride showed synergistic effect in removing of stratum corneum in rats.			
IT	69-72-7D, Salicylic acid, mixts. contg. 121-54-0D, Benzethonium chloride, mixt. with <b>salicylic acid</b>			
RL	(Biological activity or effector, except adverse); BSU			
(Biological	study, unclassified); THU (Therapeutic use); BIOL (Biological study);			

USES

(Uses)

(topical prepns. contg. **salicylic** acid and cationic surfactants for treatment of acne)

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 1969:14383 CAPLUS  
DOCUMENT NUMBER: 70:14383  
TITLE: Interaction of salicylic acid with quaternary ammonium compounds  
AUTHOR(S): Wan, Lucy S. C.  
CORPORATE SOURCE: Sch. Pharm., Univ. Singapore, Singapore  
SOURCE: Journal of Pharmaceutical Sciences (1968), 57(11), 1903-6  
CODEN: JPMSAE; ISSN: 0022-3549  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB A marked increase in viscosity is produced in solns. of dodecyl, tetradecyl pyridinium Br, cetylpyridinium Cl, benzalkonium Cl, and benzethonium Cl contg. salicylic acid. The viscosity increases with acid concn. to a max. and then decreases. This viscosity effect is absent in quaternary ammonium compds. which are not surface active. Solns. of alkyl pyridinium and alkyl trimethyl ammonium compds. in the presence of salicylic acid form non-Newtonian systems which are dilatant while the alkyl aryl dimethyl compds. contg. the same acid form Newtonian systems. The different rheological behavior is probably due to the no. of substituents present which are responsible for the surface activity of the mol. and which are attached to the N atom. The amt. of salicylic acid required to produce max. viscosity is directly proportional to the concn. of the quaternary ammonium compd. which exhibits Newtonian flow.  
IT 104-73-4 121-54-0 123-03-5 1155-74-4  
RL: PRP (Properties)  
(viscosity of, salicylic acid effect on)

(FILE 'HOME' ENTERED AT 12:16:04 ON 03 AUG 2003)

FILE 'REGISTRY' ENTERED AT 12:16:11 ON 03 AUG 2003

L1           2 S BENZETHONIUM CHLORIDE/CN OR METHYLBENZETHONIUM CHLORIDE/CN  
L2           1 S BENZETHONIUM CHLORIDE/CN  
L3           8028 S SALICYLIC OR SALICYLATE

FILE 'CAPLUS, USPATFULL' ENTERED AT 12:32:11 ON 03 AUG 2003

L4           96780 S SALICYLIC OR SALICYLATE  
L5           1570 S L2  
L6           180 S L4 AND L5  
L7           7 S L4 (P) L5

FILE 'REGISTRY' ENTERED AT 12:44:44 ON 03 AUG 2003

L8           1 S SALICYLIC ACID/CN  
L9           3 S DEHYDROACETIC ACID/CN

FILE 'CAPLUS, USPATFULL' ENTERED AT 13:04:26 ON 03 AUG 2003

L10          12052 S ACNE  
L11          1 S L9 (P) L10  
L12          6 S L9 AND L10  
L13          5 S L12 NOT L11

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